

HNE AREA Intensive Care

Approved For: JHH ICU and HDU

Terlipressin

Trade Name:

Presentation: 1mg ampoule comes with 5ml pH buffered reconstitution solution

Indications: Terlipressin is a vasopressin analogue, which acts on the vasopressin V1 receptor, resulting in potent splanchnic vasoconstriction. Terlipressin increases mean arterial pressure, urine output, plasma atrial natriuretic peptide level and serum Na concentration and decreases plasma aldosterone and renin levels. It does not effect urinary Na concentration

Indications:

- Hepatorenal syndrome(HRS) as bridge therapy while awaiting lever transplant
- Acute variceal bleeding as an alternative to octreotide infusion

Availability:

- Requested by Gastroenterolog Specialist only
- SAS drug approval required. Contact Pharmacy, to be signed by AMO
- SAS consent form signed by patient or relative and filed in the medical notes

Administration; Reconstituted injection should be stored under refrigeration at less than 8 degrees C, discard after 12 hours

Recomednded Dose:

Initial 2 - 4mg IV bolus over 5 min

Maitenance dose 0.5 - 1mg iv over 5min every 4 - 6 hours

Maximum daily dose 120mcg/kg/day

Duration of treatment varies depending on response to treatment, but in general 5 - 7 days of treatment is recommended

Given via CVC or into a large vein by medical officer

20% albumin should be given daily - 1g/kg first 2 days, then 20 - 40 gm per day after

Dose

Precautions Asthma, hypertension, coronary insufficiency, cardiac arrhythmias, Advanced Atherosclerosis

Adverse Effects: Hypertension, bradycardia, peripheral vasoconstriction, dizziness, hypokalaemia, Diarrhoea and abdominal cramps, Bronchospasm, Uterine contraction and decrease in uterine perfusion

Compatibilities: **Contraindicated in :** Pregnancy

References:

Terlipressin plus albumin infusion: an effective and safe therapy of hepatorenal syndrome.
U.J.Gines et al; J Hepatol 2000 jul 33(1):43-8

Terlipressin in patients with cirrhosis and type 1 hepatorenal syndrom: Moreau R et al
Gastroenterology 2002 april;122(4)923-30

Terlipressin with and without albumin for patients with hepatorenal syndrome: Hepatology 2002
Oct:36(4 pt 1):941-8

Created: 01-Jan-07 by JHH Pharmacy Reviewed: 01-Jun-08 by Dr K Havill & JHH Pharmacy Guideline to be reviewed before :
01-Jan-11

These guidelines are intended for and to be used only by experienced critical care staff under direct supervision of Hunter Health Area Intensive Care Specialists in designated Hunter Health Area Critical Care Areas. The Authors will not be responsible for inappropriate use of these guidelines